

IN THE CLAIMS

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1 (Currently Amended). A method comprising:
in response to operation of a power button, transitioning a processor-based system from a lower power consumption state to a higher power consumption state; and
in response to re-operation of said power button, transitioning said processor-based system from said higher power consumption state to said lower power consumption state;
transitioning said processor-based system from the lower power consumption state to a still lower power state in response to a lack of activity on said processor-based system;
and
transitioning from said still lower power consumption state to said lower power consumption state whenever said television receiver is operating.

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Claim 2 (Canceled).

3 (Currently Amended). The method of claim 1 including transitioning said system from said still lower power consumption state back to said lower power consumption state if activity is detected around said processor-based system.

4 (Original). The method of claim 3 including detecting motion around said processor-based system.

5 (Original). The method of claim 2 including transitioning said system from said still lower power consumption state back to said lower power consumption state if light is detected around said processor-based system.

Claim 6 (Canceled).

7 (Currently Amended). The method of claim 1 including preventing said system from going to a power off state in response to operation of the a power button.

8 (Original). The method of claim 1 including receiving a power command from a power button on a remote control unit.

9 (Original). The method of claim 1 wherein said system includes an operating system, said method including providing a power management module in connection with the operating system for said processor-based system to handle power management events.

10 (Original). The method of claim 9 wherein said power management module responds to power management events by passing control to a boot loader.

11 (Currently Amended). An article comprising a medium that stores instructions that, if executed, enable ~~cause~~ a processor-based system to:

in response to operation of a power button, transition said processor-based system from a lower power consumption state to a higher power consumption state; and

in response to re-operation of said power button, transition said processor-based system from said higher power consumption state to said lower power consumption state;

transition from the lower power consumption state to a still lower power consumption state in response to a lack of activity on said system; and

transition from still lower power consumption state to said lower power consumption state in response to operation of a television receiver.

Claim 12 (Canceled).

13 (Currently Amended). The article of claim 11 ~~12~~ further storing instructions that cause the a processor-based system to transition from said still lower power consumption state back to said lower power consumption state if activity is detected around said processor-based system.

14 (Currently Amended). The article of claim 13 further storing instructions that cause the a processor-based system to detect motion around said processor-based system.

15 (Currently Amended). The article of claim ⁽¹²⁾ further storing instructions that cause the a processor-based system to transition from said still lower power consumption state back to said lower power consumption state if light is detected around said processor-based system.

Claim 16 (Canceled).

17 (Currently Amended). The article of claim 11 further storing instructions that prevent said system from going to a power off state in response to operation of the a power button.

18 (Original). The article of claim 11 further storing instructions that cause said processor-based system to receive a power on command from the power button on a remote control unit.

19 (Currently Amended). The article of claim 11 further storing instructions that cause the a processor-based system to transition between said lower and higher power consumption states using a software module at an ~~the~~ operating system kernel level.

20 (Original). The article of claim 19 further storing instructions that cause said processor-based system to respond to power management events by passing control to a boot loader.

21 (Currently Amended). A system comprising:

a processor;

a storage coupled to said processor;

a television receiver coupled to said processor;

a power button for said system, said power button operable to cause said system to transition from a lower power consumption state to a higher power consumption state or to transition from said higher power consumption state to said lower power consumption state; and
a light sensor to detect light from operation of said television receiver.

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22 (Original). The system of claim 21 including a housing, said processor and said storage mounted in said housing and said power button being mounted on said housing, said housing coupled to a sensor that detects activity surrounding said housing.

23 (Original). The system of claim 22 wherein said sensor is a light sensor.

Claim 24 (Canceled).

25 (Original). The system of claim 22 wherein said sensor is a motion sensor that detects motion proximate to said housing.

26 (Original). The system of claim 21 wherein operation of said power button does not remove power from said system.

27 (Original). The system of claim 21 including a timer that transitions said system to a still lower power consumption state in response to system inactivity for a period of time.

28 (Original). The system of claim 27 wherein said system automatically transitions from said still lower power consumption state in response to the detection of activity proximate to said processor.

29 (Original). The system of claim 21 wherein said system is a set-top box.

30 (Original). The system of claim 21 including a remote control unit coupled to said processor, said unit including a power button that transitions said system between said higher and lower power consumption states.

31 (New). A method comprising:

enabling a processor-based system to transition from a lower power consumption state to a higher power consumption state in response to operation of a television receiver.

32 (New). The method of claim 31 including transitioning the processor-based system between different power consumption states in response to operation of a power button.

33 (New). The method of claim 32 including transitioning said system between power consumption states in response to the amount of activity on the processor-based system.

34 (New). The method of claim 33 including transitioning said processor-based system based on activity surrounding said processor-based system.

35 (New). The method of claim 34 including detecting motion around said processor-based system.

36 (New). A method comprising:
operating a processor-based system; and
controlling a characteristic of said processor-based system by detecting light from the operation of a television receiver.

37 (New). The method of claim 36 wherein controlling a characteristic of said processor-based system includes controlling a power consumption state of said processor-based system.

38 (New). The method of claim 36 wherein controlling a characteristic includes transitioning the processor-based system from a lower to a higher power consumption state in response to the detection of light from the operation of a television receiver.

39 (New). The method of claim 36 including transitioning said processor-based system between different power consumption states in response to operation of a power button.

40 (New). The method of claim 39 including transitioning said system between power consumption states in response to the amount of activity on the processor-based system.